

IN THE ABSTRACT:

Please amend the abstract as follows:

ABSTRACT OF THE DISCLOSURE

~~In order to reduce the~~For reducing time required for error correction in the ~~an~~ error correction device, data are transferred from the ~~a~~ buffer memory not only to the ~~a~~ syndrome calculator but also to the ~~an~~ error detector at the same time, and until the syndrome calculator detects an error-containing code, the error detector performs error detection in parallel with the syndrome calculation done by the syndrome calculator. ~~In the~~During error detection after the error corrector corrects the error, the mid-term results of the error detection obtained before the ~~an~~ error-containing code is detected are used. Consequently, it becomes unnecessary to transfer all data from the buffer memory to the error detector, thereby making it possible to ~~execute~~execution of an error detection process possible at a halfway point.